

**We Claim:**

1. A method of fabricating eye glasses comprising the steps of:  
measuring the interpupillary distance of each eye;  
measuring the refractive error of each eye with a hand-held auto refractor;  
selecting a proper lens blank for each eye from among a stock of lenses;  
cutting a lens for each eye; and  
mounting the cut lenses onto an eyeglasses frame.
2. The method according to claim 1, further comprising the step of applying a bifocal segment to both of the lenses.
3. The method according to claim 2, wherein the bifocal segment is applied to the lenses by use of capillary attraction.
4. The method according to claim 2, wherein the bifocal segment is applied to the lenses with glue.
5. The method according to claim 2, wherein the bifocal segment is applied to the lenses with transfer tape.
6. A method as defined in claim 1, wherein the interpupillary distance is measured with a simple P.D. rule.
7. A method as defined in claim 1, wherein the lenses are mounted onto the frame with glue.
8. The method according to claim 1, wherein the bifocal segment is applied to the lenses with transfer tape.
9. A method as defined in claim 7, wherein the glue is a quick-setting glue.
10. A method as defined in claim 1, wherein the lenses are mounted onto the frame with adhesive.

11. A method as defined in claim 1, wherein the lenses are cut in a miter box.
12. A method as defined in claim 1, wherein the refractive error of each eye is measured with a hand-held autorefractor.
13. A method as defined in claim 1, wherein the lenses are marked with a protractor prior to cutting.
14. A method as defined in claim 13, wherein the markings on the lenses are cleaned off after the step of cutting the lens.
15. A method of fabricating eye glasses comprising the steps of:
  - measuring the interpupillary distance of each eye;
  - measuring the refractive error of each eye with a hand-held auto refractor;
  - selecting a proper lens blank for each eye from among a stock of lenses, each lens having a prescribed axis;
  - aligning a prescribed axis on a protractor;
  - marking a line across the lens at the 180 degree line using a protractor;
  - matching the line marked across the lens to a mark in a miter box;
  - cutting a lens for each eye in the miter box; and
  - mounting the cut lenses onto an eyeglasses frame.